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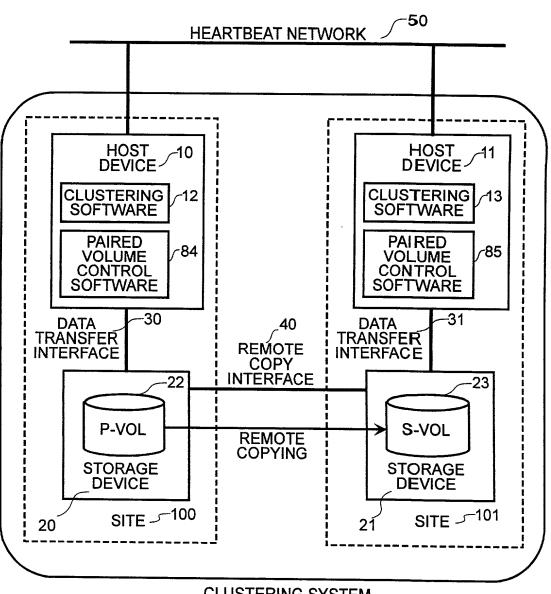
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FIG.1



CLUSTERING SYSTEM

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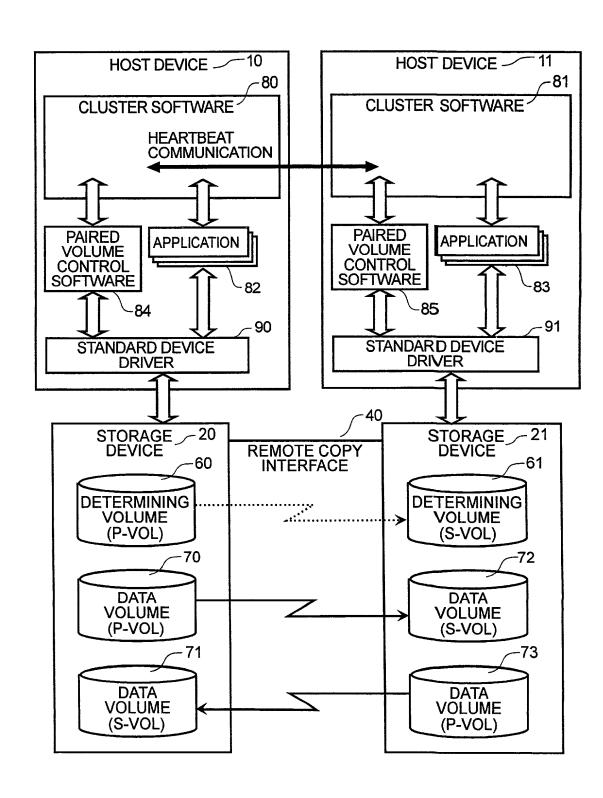
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FIG.2



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FIG.6

OPERATION OF PAIRED VOLUME CONTROL SOFTWARE [OTHER THAN RESERVE COMMAND]

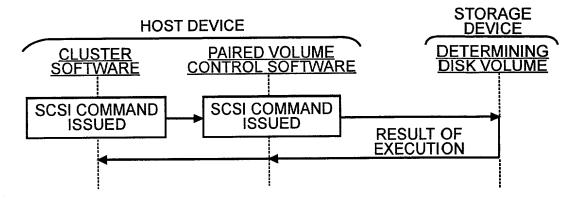
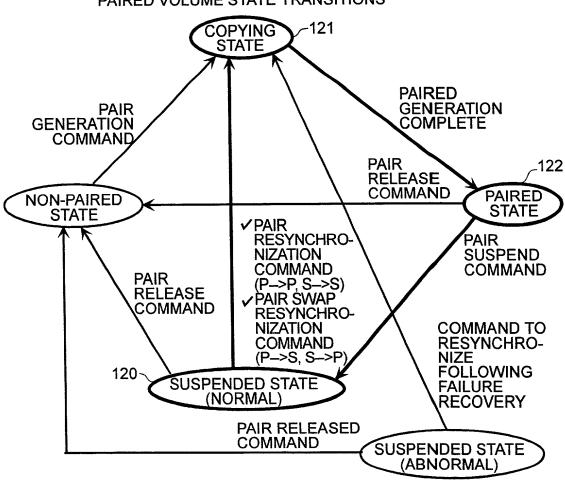


FIG.3

PAIRED VOLUME STATE TRANSITIONS



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FIG.4

RESPONSE FROM STORAGE DEVICE WHEN THE PAIR RESYNCHRONIZATION COMMAND IS ISSUED

COMMAND EXECUTED	VOLUME ATTRIBUTES		RESPONSE OF STORAGE DEVICE
PAIR RESYNCHRO- NIZATION	NON-PAIRED VOLUME		
	P-VOL	COPYING IN PROGRESS	ABNORMAL END
		PAIRED STATE	
		SUSPEND STATE (NORMAL)	NORMAL END
		SUSPEND STATE (ABNORMAL)	
	S-VOL	COPYING IN PROGRESS	
		PAIRED STATE	ABNORMAL END
		SUSPEND STATE (NORMAL)	
		SUSPEND STATE (ABNORMAL)	
	NON-PAIRED VOLUME		
PAIR SWAP RESYNCHRO- NIZATION	P-VOL	COPYING IN PROGRESS	ABNORMAL END
		PAIRED STATE	
		SUSPEND STATE (NORMAL)	
		SUSPEND STATE (ABNORMAL)	
	S-VOL	COPYING IN PROGRESS	
		PAIRED STATE	131
		SUSPEND STATE (NORMAL)	NORMAL END
		SUSPEND STATE (ABNORMAL)	ABNORMAL END

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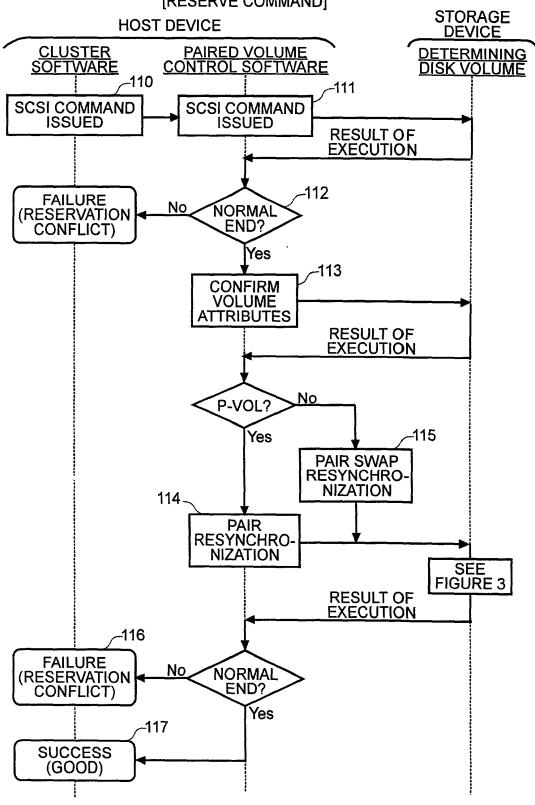
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FIG.5

OPERATION OF PAIRED VOLUME CONTROL SOFTWARE [RESERVE COMMAND]



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FIG.7

INITIAL STATE ATTRIBUTE OF DETERMINING PAIRED VOLUMES: SUSPENDED (NORMAL)

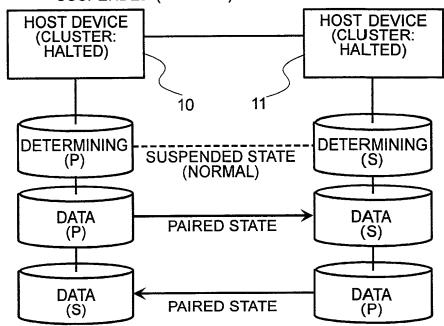
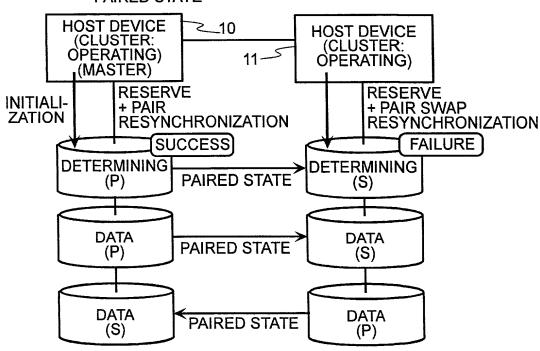


FIG.8

ATTRIBUTE OF DETERMINING PAIRED VOLUMES: PAIRED STATE



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FIG.9

ATTRIBUTE OF DETERMINING PAIRED VOLUMES: PAIRED STATE

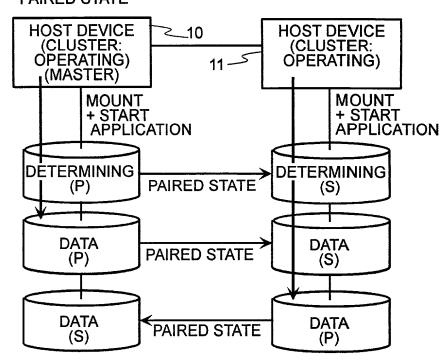
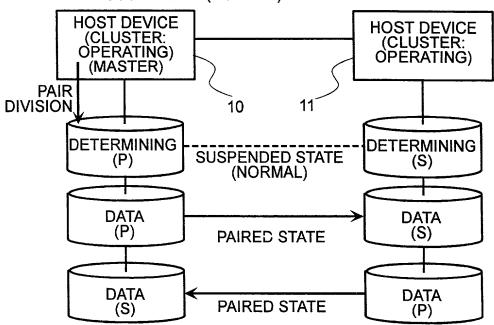


FIG.10

ATTRIBUTE OF DETERMINING PAIRED VOLUMES: SUSPENDED (NORMAL)



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FIG.11

ATTRIBUTE OF DETERMINING PAIRED VOLUMES: SUSPENDED (NORMAL)

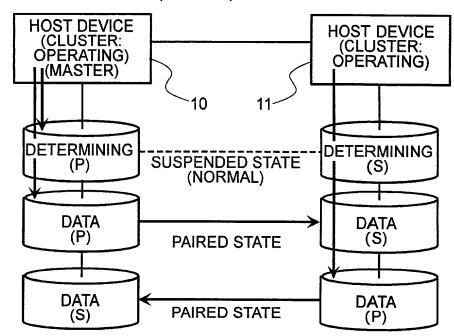
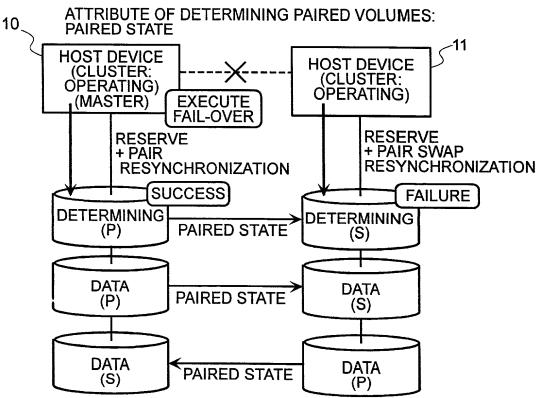


FIG.12

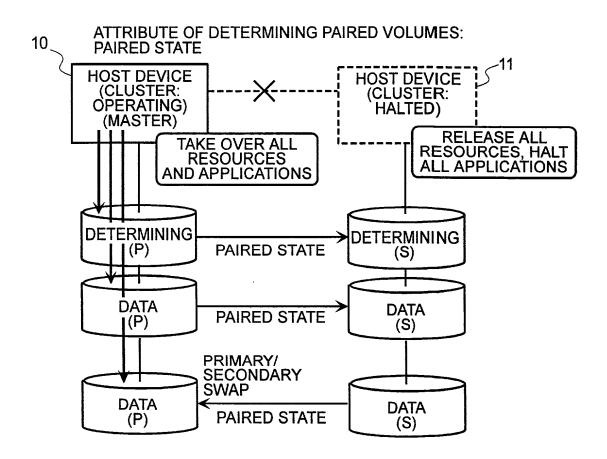


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FIG.13



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